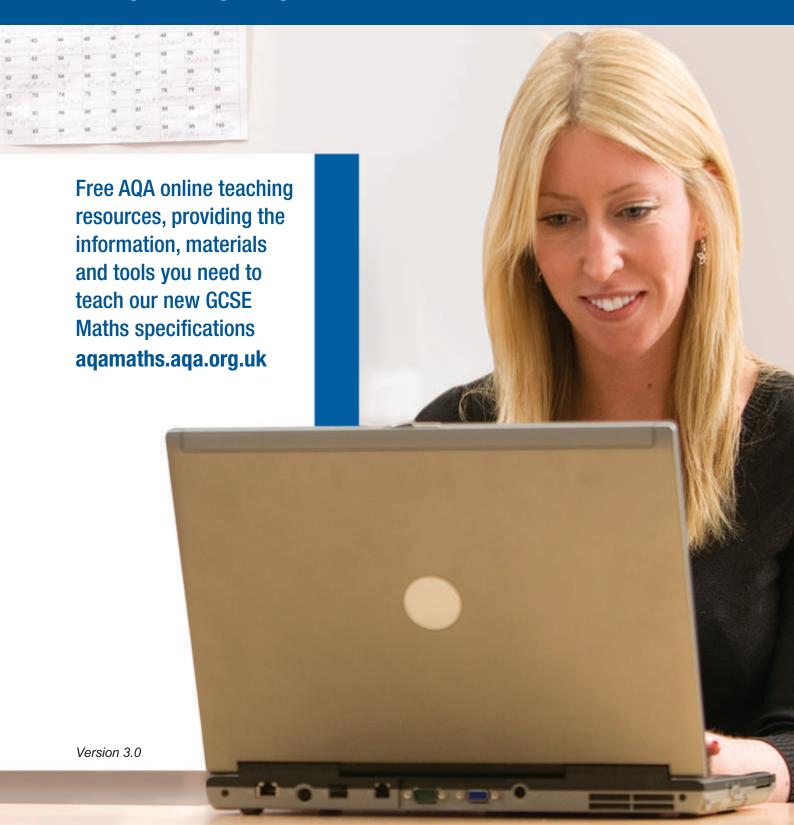


AQA All About Maths

Your guide to getting the most from our GCSE Maths resources



Teaching AQA GCSE Maths is now clearer and easier

How this guide will help you

AQA All About Maths is an exclusive, free, online package of teaching resources

We are delighted to have worked with hundreds of teachers during our major programme of maths pilots. We have harnessed their knowledge and expertise to offer an exciting range of new teaching information, materials and tools.

Our teaching resources are fully interactive, allowing you to organise, adapt and personalise for your own teaching needs. Resources include:

- · interactive Route Maps to create schemes of work
- specifications broken down into teaching topics, with a recommended teaching order and suggested teaching time required
- lesson plans and other new and innovative supporting resources, including homework sheets and practice papers
- a personal storage area for adding, organising and adapting resources.



Exampro – free of charge

Exampro has been customised to **link seamlessly to each of the teaching topics**. It will be updated with new questions after each exam session. It already contains:

- · hundreds of questions from our past papers
- · questions from the pilot exams
- · questions from the specimen question papers
- · all with mark schemes and examiners' notes.

This guide to AQA All About Maths will help you to:

- understand what new materials and teaching resources are available
- use the resources to plan, prepare and deliver the new GCSE Maths specifications more effectively.

Let AQA All About Maths help your teaching

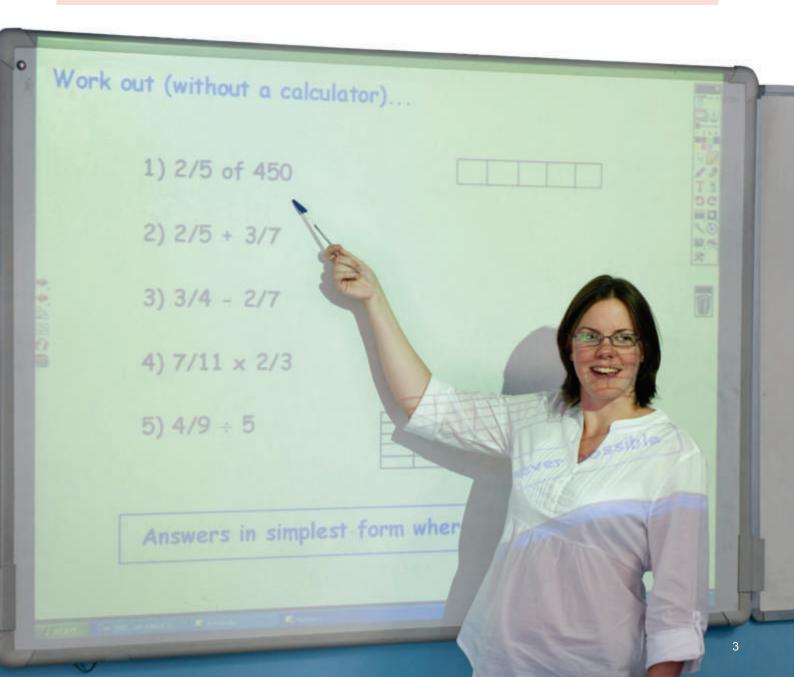
- Have confidence in how you're teaching –
 you'll have access to valuable new teaching
 resources that have been designed by
 teachers for teachers. They're already tried
 and tested and approved by AQA, so you can
 be confident that they'll help you to teach
 effectively.
- Save time you don't need to reinvent the wheel when resources for our new specifications have already been prepared, tested thoroughly and are here for you to use right now.
- You're in control resources are interactive so you can decide exactly how you would like to teach the new specifications by organising and adapting them to suit your needs.
- Everything in one place and readily accessible – whether you're logging on from school, home or on the move, you'll have access to our resources and your own personalised folders and resources.
- Share your experiences with others, and learn from them – our online community and discussion forums allow you to share your experiences, and share your own most useful resources with other teaching professionals.

'I think AQA All About Maths is a step up from other examination boards and a brilliant service'

Kalpesh Patel, Head of Mathematics, Coombe Boys School

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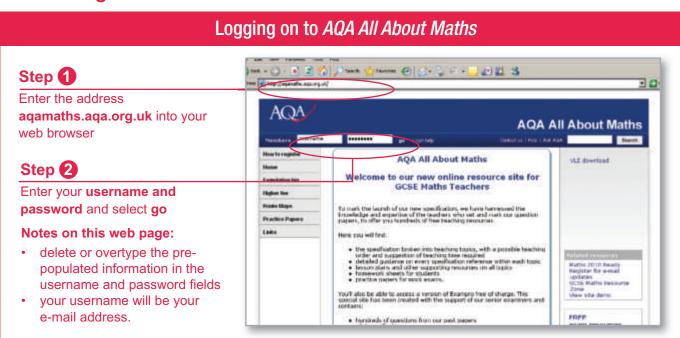
Registering to use AQA All About Maths

It's possible to access some resources without registering, but to get full use of all the free resources and use the interactive aspects, you'll need to register.

	Registered?	
Free resources	Yes	No
Access to teaching materials: Assessment guidance	J	√
Lesson plans and starters	✓	•
Problem sheets	✓	•
Homework sheets	✓	•
Practice papers	✓	•
Route Maps – create schemes of work	✓	✓
Exampro – creates practice papers	✓	•
Personal storage area – My AQA folder	✓	•
Community – submit resources	✓	•
Discussion – online forums	✓	•
Regular e-mail updates	✓	✓

For details on how to sign up to teach and register for AQA All About Maths, visit aqamaths.aqa.org.uk, select 'How to register' and follow the on screen steps.

How to log on



Planning the course

Much of what you need to teach the new specifications is in AQA All About Maths.

To save you preparation time and help you find the most effective way through the new specifications, we've also created 'Route Maps'.

Route Maps

Route Maps are interactive visual aids which we've produced in Powerpoint. They show you a suggested route through the content of the new specifications. We've also combined these with our detailed 'Assessment guidance' so you have what you need to tackle the specifications even more effectively.

Route Maps are fully interactive which means:

- the calendar can be customised to plan your own route through the specification
- they're linked to the topics in AQA All About Maths so you can switch seamlessly between the two
- you can add your own notes and rearrange topics on the 'topic sheets'.

Using Route Maps

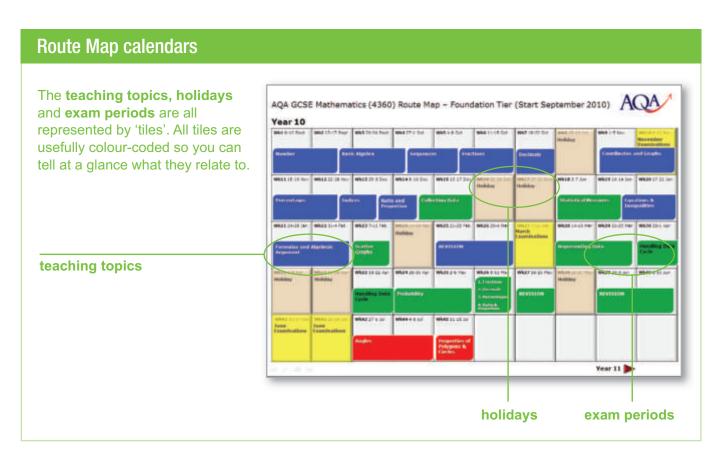
Step 1

Select **Route Maps** from the main left-hand navigation menu

Step 2

Select the relevant Route Map to download. We're going to select **Foundation Tier** for this example

Once downloaded, select slide 2 so you see the calendar below.



Amending the calendars

The teaching topics represent a sensible amount of time to cover the content in detail, but you can alter the width of each tile to match your required teaching duration. Just select a tile and adjust the width by dragging the sides using the mouse.

Tiles can also be moved around the calendar to suit your own teaching order. Select a tile, then drag and drop it using the mouse.

Tip: We've used 'standard' school holidays, but there are variations between local authorities so you may want to adjust these tiles first.

Once you've set up the Route Map for your teaching, running it as a slideshow allows access to the interactivity.

Step 1

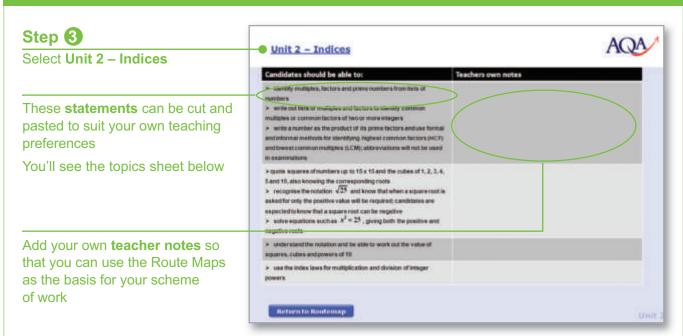
Run the Route Map as a slideshow

Step 2

Select the relevant topic. We're going to select **Indices** in this example

You'll see the topic sheet below

Route Map topic sheets



- You'll be directed through to the relevant topic page in AQA All About Maths
- More detailed instructions about using Route Maps, including how to adjust them if you're starting early in Year 9, are available on the website.

Summary

Now you've seen the Route Maps, you can:

- · clearly see our suggested way to teach the specifications
- · save the time and effort of having to plan it out yourself
- amend the calendar and teaching order of topics to suit your own teaching preferences.

Planning lessons

There are lots of resources available in *AQA All About Maths* to help make teaching the new specifications effective. The teaching resources available to assist you include:

- · Assessment guidance
- · Lesson plans and starters
- · Problem sheets
- · Homework sheets for testing every topic
- Supplementary resources Target boards, Activity sheets and more.

To help with the areas that students struggle most with we've:

- produced resources for the most challenging areas of the specifications first
- devised interesting and innovative ways to deliver the topics.

We'll show you how to find these teaching resources and how they can be quickly and easily stored and organised to suit your teaching needs.

We offer both Linear (students sit all exams at the end of the course) and Modular (exams are sat at different times during the course) specifications. Our resources cover both specifications.

Finding teaching resources

We're going to select the Foundation Tier for this example, but the structure within both tiers is the same.

Step 1

Select Foundation Tier

You'll see the links for the three units that make up the Foundation Tier

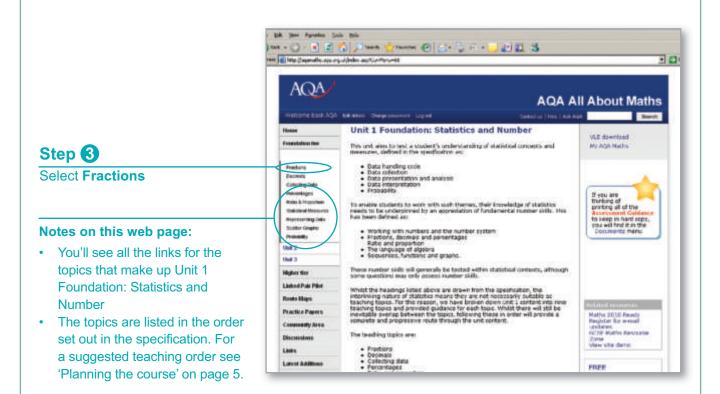
Step 2

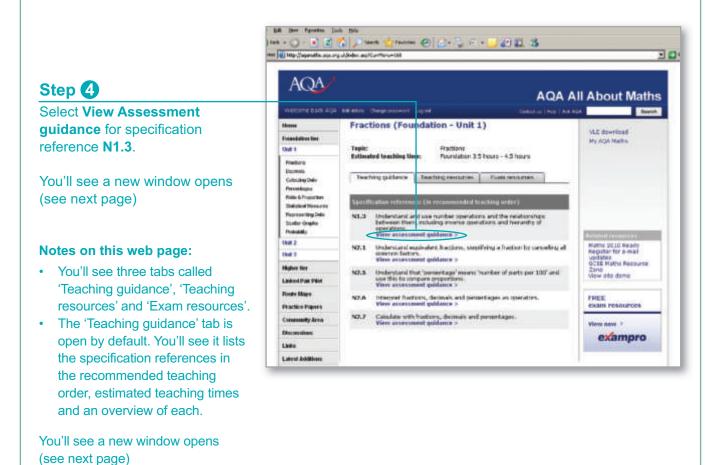
Select Unit 1

You'll see the screen on the next page.



Teaching resources





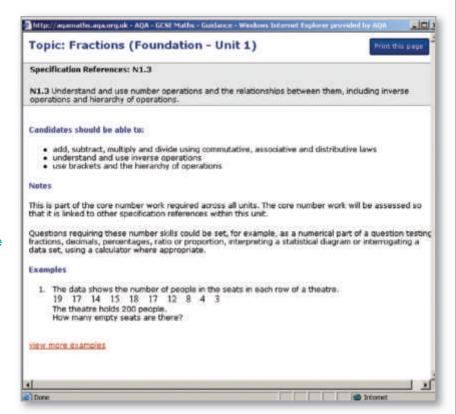
Teaching resources

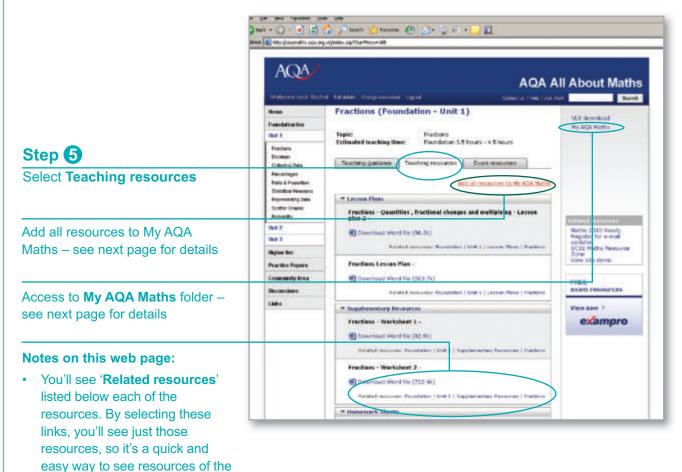
This screen shows the detailed assessment guidance for each topic.

Notes on this web page:

same type.

 This window can be printed, or you can print the Assessment guidance for all topics using the Documents link, which is on the main left-hand navigation menu.





My AQA Maths

We're sure you'll be impressed by the collection of resources available to you in AQA All About Maths.

We realise that sometimes the wealth of resources available can make preparing for lessons a little bit daunting, so we've created **My AQA Maths** to help.

My AQA Maths is your personal filing system, where you can store and organise your own resources.

As you browse the resources, you'll be able to:

- store all your favourite resources in one place that's accessible wherever and whenever you log on
- organise resources to suit you, perhaps for a particular year group or week, or for your next term's complete scheme(s) of work
- make your own useful notes, perhaps to remind you how students responded to the lessons or to evaluate and improve a lesson for next time
- with one mouse-click, place some or all of our resources in your folder
- add your own resources, or upload your adapted versions of lessons.

Using My AQA Maths

This example adds all the topic resources to your **My AQA Maths** folder. You can also add resources individually to your **My AQA Maths** folder by clicking the icon next to the resource you want to add.

Step 1

In **Teaching resources** select the red link 'Add all resources to **My AQA Maths**'

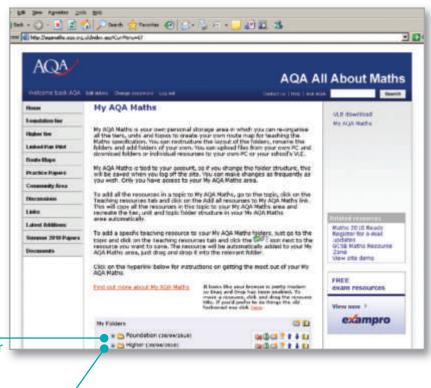
Step 2

Select the **My AQA Maths** link, at the top of the right-hand navigation column.

Refer to the screen shot at the bottom of the previous page if you need help finding these links.



Using My AQA Maths folders



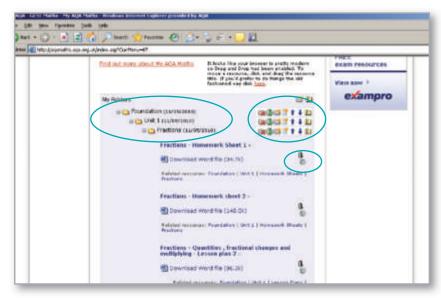
Step 3

Select the '+ sign' next to the folder icons to expand them

Notes on this web page:

• In 'My Folders' you can see that a '**Foundations**' folder has been created with the date it was created in brackets

Once you've expanded all the folders, you'll see the resources in the 'Fractions' topic of 'Unit 1' have been copied into the **My AQA**Maths folder.



Summary

Now that you can find the teaching resources and My AQA Maths, it's easy to:

- · save time and effort preparing for lessons
- · adapt our resources to meet your needs
- · save resources in your own folder for easy access.

Preparing for exams

To find practice exam questions in AQA All About Maths, you can use:

- Exampro to create your own papers OR
- the Practice papers link in the main menu for papers we've created for you.

ie you can decide when and how to use the questions to meet your teaching needs.

Exampro

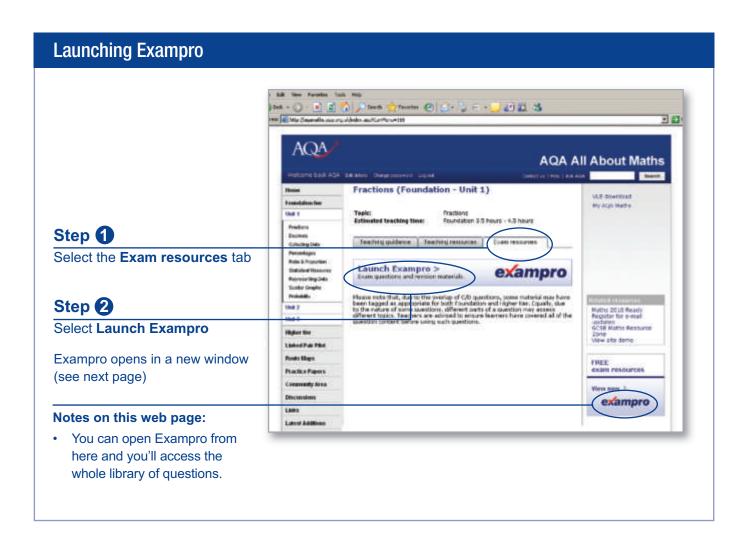


Exampro is an invaluable tool for generating exam papers. Here's how it can help:

- Saves you time Exampro is so quick and easy to use. It's also been customised to link seamlessly with each topic
- Easy search facility the ability to search by general topics, or by type of question, enables practice papers to be more focused

- Everything in one place the software puts everything at your fingertips – questions, handpicked by our senior examiners, are linked to the new GCSE specifications, mark schemes and examiners' reports
- Like a real exam so your students get the best exam practice possible
- You're in control you can prepare the perfect practice paper with the minimum of fuss. No more trawling through past papers and matching questions to specifications: we've done that for you. You can even make the mark scheme for your practice paper too!

We're continuing with the same example in Foundation Tier, Unit 1 and 'Fractions' topic'.



Using Exampro

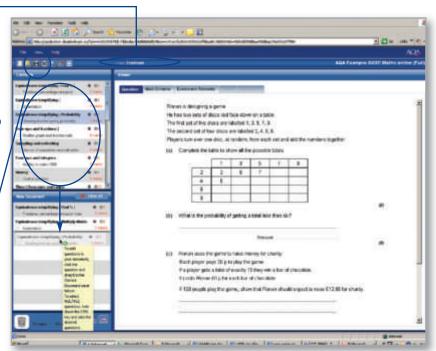
The **Filter** has been set to Fractions so you'll see just those questions

Step 3

Drag and drop the questions into the 'new document' below. We've already moved some questions and are in the process of dropping another into the new document.

Step 4

When you've added all the questions, select the **save** icon

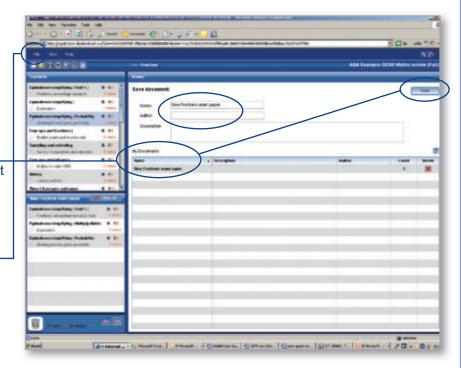


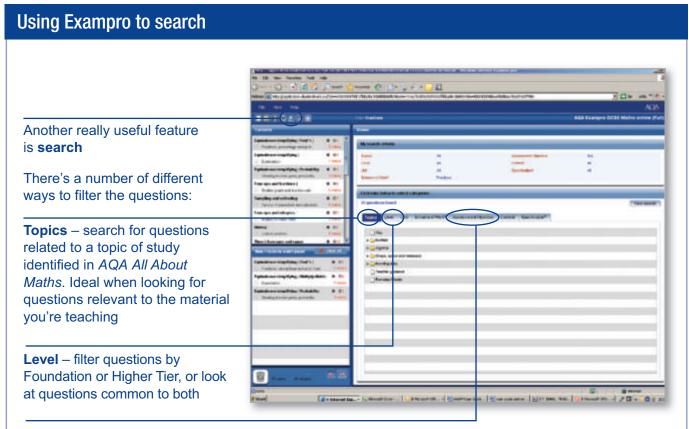
Step 6

Name your document then select **save** and it'll be saved in the 'My Documents' library.

Step 6

You can then **export** your exam papers to Word or as a PDF document through the 'File' menu.





Assessment objective - a

handy way of looking for more problem solving questions, or to see which assessment objective a question covers. Also allows you to look for functional questions, or questions that assess quality of written communication.

Practice papers

Questions have been written by the senior examiners for the new specifications, and reflect the type of problem solving and functional questions that will be set in live papers.

Practice papers can be found using the link located on the main left-hand navigation menu. New papers will be added when they become available.

Summary

Now you know where to find Exampro and the practice papers, you'll soon be **quickly and easily creating your own exam papers** so:

- · your students are better prepared for exams
- · you have more time to spend teaching.

Community area

Why not submit your own resources to *AQA All About Maths* to share with other maths teachers?

Whether it's resources you've found, a completely new resource you've produced, or a change to an existing one, if you submit it to the 'Community area' other teachers can benefit from your experience and success.

Share your great resources

To share your resources, simply follow the steps on the 'Submit a resource' page.

Discussions

Our AQA All About Maths online forum is up and running!

Help spread best teaching practices by sharing your knowledge, ideas and problems with other teaching professionals.

We regularly review comments on the forums, so when you post a question we'll provide a quick and accurate reply.

Contribute to the discussion

We'd love to hear from you and we're sure other teachers would too, so why not share your views on the latest hot topic of conversation in the forums?



We're here to help

Now you've seen what *AQA All About Maths* has to offer and you know how to find what you need, we hope you're:

- · better prepared than ever to teach our new GCSE Maths specifications
- · confident that you have the necessary tools and resources to inspire and engage your students.

We also provide a wide range of additional support and services for GCSE Maths.

W.I.				
Web resources				
AQA website	aqa.org.uk			
Maths Resource Zone	aqa.org.uk/mathszone for specifications, specimen assessment materials and the latest updates and information			
AQA All About Maths	aqamaths.aqa.org.uk Log on queries e-mail: allaboutmaths@teachit.co.uk			
Ask AQA	24-hour online bank of questions and answers at aqa.org.uk/askaqa			
e-AQA	past question papers, mark schemes and examiners' reports			
Regular e-mail updates	to keep you up to date with developments, including new resources and training			
Exampro	free, online tool for creating exam papers. Access through AQA All About Maths			
Enhanced Results Analysis	free, online analysis of your results aqa.org.uk/era			
Contact our maths experts				
Regional Maths Advisors	free advice from your own advisor			
Maths subject department	answers to subject-related queries by phone: 0161 957 3852 e-mail: mathematicsgcse@aqa.org.uk			
Other resources and support				
Continuing Professional Development (CPD) programme	events.aqa.org.uk/ebooking			
Teacher support	meetings to review exam performance			
Nelson Thornes	student textbooks, teacher books, revision guides, online resources. e-mail: cservices@nelsonthornes.com phone: 01242 267287 web: nelsonthornes.com/aqa2010			

If you've got any questions about our GCSE Maths specifications, we're happy to help. Simply phone us on 0161 957 3852 or contact us online.

aqa.org.uk

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